



IFWO

RAW SEQUENCE LISTING

DATE: 09/24/2004

PATENT APPLICATION: US/10/722,155

TIME: 11:44:28

Input Set : A:\10305111.app

Output Set: N:\CRF4\09242004\J722155.raw

```

3 <110> APPLICANT: LEPROUST, ERIC M.
4   WOLBER, PAUL K.
6 <120> TITLE OF INVENTION: METHODS AND APPARATUS FOR PREPARING ARRAYS COMPRISING
7   FEATURES HAVING DEGENERATE BIOPOLYMERS
9 <130> FILE REFERENCE: 10030511-1
11 <140> CURRENT APPLICATION NUMBER: 10/722,155
12 <141> CURRENT FILING DATE: 2003-11-25
14 <150> PRIOR APPLICATION NUMBER: 10/266,474
15 <151> PRIOR FILING DATE: 2002-10-07
17 <150> PRIOR APPLICATION NUMBER: 09/350,969
18 <151> PRIOR FILING DATE: 1999-07-09
20 <160> NUMBER OF SEQ ID NOS: 22
22 <170> SOFTWARE: PatentIn Ver. 3.2
24 <210> SEQ ID NO: 1
25 <211> LENGTH: 16
26 <212> TYPE: DNA
27 <213> ORGANISM: Artificial Sequence
29 <220> FEATURE:
30 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
31   oligonucleotide
33 <400> SEQUENCE: 1
34 actgctgatg acgact
37 <210> SEQ ID NO: 2
38 <211> LENGTH: 16
39 <212> TYPE: DNA
40 <213> ORGANISM: Artificial Sequence
42 <220> FEATURE:
43 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
44   oligonucleotide
46 <400> SEQUENCE: 2
47 actggtgatg acgact
50 <210> SEQ ID NO: 3
51 <211> LENGTH: 16
52 <212> TYPE: DNA
53 <213> ORGANISM: Artificial Sequence
55 <220> FEATURE:
56 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
57   oligonucleotide
59 <400> SEQUENCE: 3
60 actgatgatg acgact
63 <210> SEQ ID NO: 4
64 <211> LENGTH: 16
65 <212> TYPE: DNA

```

16

16

16

RAW SEQUENCE LISTING

DATE: 09/24/2004

PATENT APPLICATION: US/10/722,155

TIME: 11:44:28

Input Set : A:\10305111.app

Output Set: N:\CRF4\09242004\J722155.raw

66 <213> ORGANISM: Artificial Sequence
68 <220> FEATURE:
69 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
70 oligonucleotide
72 <400> SEQUENCE: 4
73 actgttgatg acgact 16
76 <210> SEQ ID NO: 5
77 <211> LENGTH: 16
78 <212> TYPE: DNA
79 <213> ORGANISM: Artificial Sequence
81 <220> FEATURE:
82 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
83 oligonucleotide
85 <400> SEQUENCE: 5
86 actgctgatg acgact 16
89 <210> SEQ ID NO: 6
90 <211> LENGTH: 16
91 <212> TYPE: DNA
92 <213> ORGANISM: Artificial Sequence
94 <220> FEATURE:
95 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
96 oligonucleotide
98 <400> SEQUENCE: 6
99 actgcggatg acgact 16
102 <210> SEQ ID NO: 7
103 <211> LENGTH: 16
104 <212> TYPE: DNA
105 <213> ORGANISM: Artificial Sequence
107 <220> FEATURE:
108 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
109 oligonucleotide
111 <400> SEQUENCE: 7
112 actgccgatg acgact 16
115 <210> SEQ ID NO: 8
116 <211> LENGTH: 16
117 <212> TYPE: DNA
118 <213> ORGANISM: Artificial Sequence
120 <220> FEATURE:
121 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
122 oligonucleotide
124 <400> SEQUENCE: 8
125 actgcagatg acgact 16
128 <210> SEQ ID NO: 9
129 <211> LENGTH: 16
130 <212> TYPE: DNA
131 <213> ORGANISM: Artificial Sequence
133 <220> FEATURE:
134 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
135 oligonucleotide

RAW SEQUENCE LISTING

DATE: 09/24/2004

PATENT APPLICATION: US/10/722,155

TIME: 11:44:28

Input Set : A:\10305111.app

Output Set: N:\CRF4\09242004\J722155.raw

137 <400> SEQUENCE: 9
138 actggtgatg acgact 16
141 <210> SEQ ID NO: 10
142 <211> LENGTH: 16
143 <212> TYPE: DNA
144 <213> ORGANISM: Artificial Sequence
146 <220> FEATURE:
147 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
148 oligonucleotide
150 <400> SEQUENCE: 10
151 actgggggatg acgact 16
154 <210> SEQ ID NO: 11
155 <211> LENGTH: 16
156 <212> TYPE: DNA
157 <213> ORGANISM: Artificial Sequence
159 <220> FEATURE:
160 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
161 oligonucleotide
163 <400> SEQUENCE: 11
164 actggcgatg acgact 16
167 <210> SEQ ID NO: 12
168 <211> LENGTH: 16
169 <212> TYPE: DNA
170 <213> ORGANISM: Artificial Sequence
172 <220> FEATURE:
173 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
174 oligonucleotide
176 <400> SEQUENCE: 12
177 actggagatg acgact 16
180 <210> SEQ ID NO: 13
181 <211> LENGTH: 16
182 <212> TYPE: DNA
183 <213> ORGANISM: Artificial Sequence
185 <220> FEATURE:
186 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
187 oligonucleotide
189 <400> SEQUENCE: 13
190 actgatgatg acgact 16
193 <210> SEQ ID NO: 14
194 <211> LENGTH: 16
195 <212> TYPE: DNA
196 <213> ORGANISM: Artificial Sequence
198 <220> FEATURE:
199 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
200 oligonucleotide
202 <400> SEQUENCE: 14
203 actgaggatg acgact 16
206 <210> SEQ ID NO: 15
207 <211> LENGTH: 16

RAW SEQUENCE LISTING

DATE: 09/24/2004

PATENT APPLICATION: US/10/722,155

TIME: 11:44:28

Input Set : A:\10305111.app

Output Set: N:\CRF4\09242004\J722155.raw

```

208 <212> TYPE: DNA
209 <213> ORGANISM: Artificial Sequence
211 <220> FEATURE:
212 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
213     oligonucleotide
215 <400> SEQUENCE: 15
216 actgacgatg acgact                                     16
219 <210> SEQ ID NO: 16
220 <211> LENGTH: 16
221 <212> TYPE: DNA
222 <213> ORGANISM: Artificial Sequence
224 <220> FEATURE:
225 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
226     oligonucleotide
228 <400> SEQUENCE: 16
229 actgaagatg acgact                                     16
232 <210> SEQ ID NO: 17
233 <211> LENGTH: 16
234 <212> TYPE: DNA
235 <213> ORGANISM: Artificial Sequence
237 <220> FEATURE:
238 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
239     oligonucleotide
241 <400> SEQUENCE: 17
242 actgttgatg acgact                                     16
245 <210> SEQ ID NO: 18
246 <211> LENGTH: 16
247 <212> TYPE: DNA
248 <213> ORGANISM: Artificial Sequence
250 <220> FEATURE:
251 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
252     oligonucleotide
254 <400> SEQUENCE: 18
255 actgtggatg acgact                                     16
258 <210> SEQ ID NO: 19
259 <211> LENGTH: 16
260 <212> TYPE: DNA
261 <213> ORGANISM: Artificial Sequence
263 <220> FEATURE:
264 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
265     oligonucleotide
267 <400> SEQUENCE: 19
268 actgtcgatg acgact                                     16
271 <210> SEQ ID NO: 20
272 <211> LENGTH: 16
273 <212> TYPE: DNA
274 <213> ORGANISM: Artificial Sequence
276 <220> FEATURE:
277 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic

```

RAW SEQUENCE LISTING

DATE: 09/24/2004

PATENT APPLICATION: US/10/722,155

TIME: 11:44:28

Input Set : A:\10305111.app

Output Set: N:\CRF4\09242004\J722155.raw

278 oligonucleotide
280 <400> SEQUENCE: 20
281 actgtagatg acgact 16
284 <210> SEQ ID NO: 21
285 <211> LENGTH: 16
286 <212> TYPE: DNA
287 <213> ORGANISM: Artificial Sequence
289 <220> FEATURE:
290 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
291 probe
293 <220> FEATURE:
294 <221> NAME/KEY: modified_base
295 <222> LOCATION: (5)
296 <223> OTHER INFORMATION: a, t, c or g
298 <400> SEQUENCE: 21
W--> 299 actgntgatg acgact 16
302 <210> SEQ ID NO: 22
303 <211> LENGTH: 16
304 <212> TYPE: DNA
305 <213> ORGANISM: Artificial Sequence
307 <220> FEATURE:
308 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
309 probe
311 <220> FEATURE:
312 <221> NAME/KEY: modified_base
313 <222> LOCATION: (5)..(6)
314 <223> OTHER INFORMATION: a, t, c or g
316 <400> SEQUENCE: 22
W--> 317 actgnngatg acgact 16

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/722,155

DATE: 09/24/2004
TIME: 11:44:29

Input Set : A:\10305111.app
Output Set: N:\CRF4\09242004\J722155.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:21; N Pos. 5 ✓

Seq#:22; N Pos. 5,6 ✓

VERIFICATION SUMMARY

DATE: 09/24/2004

PATENT APPLICATION: US/10/722,155

TIME: 11:44:29

Input Set : A:\10305111.app

Output Set: N:\CRF4\09242004\J722155.raw

L:299 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0

L:317 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0